

Title (en)
DEVICE FOR TREATMENT OF WASTEWATER

Title (de)
VORRICHTUNG ZUR BEHANDLUNG VON ABWASSER

Title (fr)
DISPOSITIF DESTINE AU TRAITEMENT DES EAUX USEES

Publication
EP 1347942 B1 20121205 (EN)

Application
EP 01982706 A 20011023

Priority
IN 0100192 W 20011023

Abstract (en)
[origin: WO03035560A1] A device for the biological treatment of wastewater containing biodegradable solids comprising a verically oriented elongated vessel partitioned, in vertical progression, by impermeable substantially horizontal walls (103) into a top chamber (104) and a bottom chamber (102), each chamber being provided with a gas retention space and a liquid retention space, a nozzle (106) establishing fluid communication between the bottom chamber and the outside of the vessel for input of wastewater into the vessel; a nozzle (116) establishing fluid communication between the liquid retention space of the top chamber with the outside of the vessel for discharge of treated wastewater from the vessel, a nozzle (111) for discharge of gas from the gas retention space of the top chamber; further comprising for every pair of neighboring chambers, at least one filter chamber (119) having at least one inlet communicating fluidity between liquid tetaining part in the lower chamber (102) and at least one outlet communication fluidly with the liquid retaining part of the upper chamber (104); a filter bed (119) placed within the said filter chambers, and partly filling its internal volume; at least one gas conduit (130) establishing fluid communication between gas retaining space in the lower chamber (102) with the upper chamber (104); and a discharge means enabling periodic discharge and stoppage of flow of gas through the said gas conduits.

IPC 8 full level
C02F 3/06 (2006.01); **C02F 3/28** (2006.01); **C02F 1/00** (2006.01)

CPC (source: EP)
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Cited by
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